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THE URBAN DISTRICT COUNCIL OF TYWYN

ANNUAL
HEALTH REPORT
FOR
1970

H. FRANCIS, M.B., Ch.B., D.P.H.
District Medical Officer of Health.

E.V. COLLINS, M.R.S.H., M.A.P.H.I.
Public Health Inspector.

THE URBAN DISTRICT COUNCIL OF TYWYN
ANNUAL HEALTH REPORT FOR THE YEAR ENDED 31st DECEMBER, 1970

Mr. Chairman and Gentlemen,

I have the honour to present the Annual Health Report for the year ended 31st December, 1970.

The Registrar General estimated the mid-year population of the Urban District to be 4,540 one hundred greater than the estimate for 1969 and 230 greater than the estimate for 1968.

There were 51 live births compared with 71 in 1969 and 74 in 1968 the birth rate dropping from 16 to 11.2 per 1,000 population. There were no stillbirths. Three infants died in the first year of life, two of them in the first week.

Fiftynine persons from the Urban area died during the year. Thirty of these deaths were from heart and circulatory disease and strokes. Cancer was responsible for 13 deaths. There were no deaths due to tuberculosis but one new case of the disease was notified during the year.

I wish to thank Mr. Collins the Public Health Inspector, the Clerk and all the other council officials for their help during the year.

Finally I wish to thank all the members of the council for their interest and support.

I remain,

Your obedient Servant,

H. FRANCIS.

District Medical Officer of Health.

GENERAL STATISTICSSECTION A.

Area of Tywyn District 1970.

Rateable Value

- 126,979

Population (Registrar General's figures)

- 4,540

Sum represented by a Penny Rate

- £ 493.60

Number of inhabited houses (According to the Rate Books) at the end of year

- 1,613

VITAL STATISTICS

Comparability Factors

Births 1.28

Deaths 0.79

BIRTHSLIVE BIRTHSMalesFemales

Total 31 20

Legitimate 28 18

Illegitimate 3 2

Live Birth Rate per 1,000 population - 11.2

1969 figures - 16

Illegitimate Live Births (per 1,000 population) 1.1

STILL BIRTHSMalesFemales

Total nil nil

Still Birth Rate per 1,000 population - nilStill Birth Rate per 1,000 Total Live and Still Births - nilTOTAL BIRTHS (Live & Still)MalesFemales

Live - 31 20

Still - nil nil

DEATHSDEATHS OF INFANTS UNDER ONE YEARMalesFemales

Total 2 1

Legitimate 1 1

Illegitimate 1 -

Infant Mortality Rate per 1,000 Live Birth - 5.9

1969 figures - nil

Deaths of Legitimate Infants Mortality (per 1,000 Legitimate Live Births) - 4.3

Deaths of Illegitimate Infants Mortality (per 1,000 illegitimate Live Births) - 2.00

DEATHS OF INFANTS UNDER 4 WEEKS.MalesFemales

Total 1 1

Legitimate 1 1

Illegitimate nil nil

DEATHS OF INFANTS UNDER 1 WEEK

					<u>Males</u>	<u>Females</u>
Total	...	...	...	...	1	1
Legitimate	...	...	...	...	1	1
Illegitimate	...	...	...	...	nil	nil

Neo-Natal Mortality Rate - 3.9

Early Neo-Natal Mortality Rate - 3.9

Perinatal Mortality Rate - 3.9

MATERNAL DEATHS (Including abortion) - nil

MATERNAL MORTALITY (Rate per 1,000
Live Still Births - nil
1969 figures - nil)

DEATHS

					<u>Males</u>	<u>Females</u>
Total number	...	...	...	...	33	26
Rate per 1,000 population	-	13.0				
1969 figures	-	10.6				

DEATHS FROM CANCER

Total number	...	...	...	...	7	5
Rate per 1,000 population	-	2.86				
1969 figures	-	2.7				

DEATHS FROM TUBERCULOSIS

Total number	...	...	...	...	nil	
Rate per 1,000 population	-	nil				
1969 figures	-	0.25				

GENERAL PROVISIONS OF HEALTH SERVICES IN THE AREA(1) Public Health Officers of the Authority

One Medical Officer of Health
One Public Health Inspector/Surveyor.

(2) Laboratory Facilities

Bacteriological examination of water at the Public Health Laboratory, Aberystwyth. Examination of milk at the Public Health Laboratory Conway. Chemical Analysis by the Public Analyst, Chester.

(3) Ambulance Facilities

There are three full time ambulance drivers and two ambulances situated at the Fire Station in Tywyn.

(4) Infant Welfare Clinics

Held fortnightly on Tuesday at the Church Hall, Tywyn.
Held at the Church Hall, Aberdyfi every third Tuesday in the month.

(5) Ante Natal Clinics

This clinic is held on the 1st and 3rd Fridays in the month.

- (6) Orthopaedic Clinic
Held at Tywyn Hospital on the 1st Tuesday in the month.
- (7) Tuberculosis Clinic
At Tywyn Hospital on the 2nd and 4th Fridays in each month at 2.0 p.m.
- (8) Immunisation
Immunisation against Diphtheria, Whooping Cough, Tetanus and Poliomyelitis, Measles and smallpox is carried out at the Infant Welfare Centre and in General Practitioner's surgeries.
- (9) Hospitals
There is one hospital at Tywyn.
- (10) Infectious Diseases
Total number of Infectious diseases (other than Tuberculosis) notified during the year:- 96
- | | | |
|---------------------|---|-----|
| Scarlet Fever | - | nil |
| Bacillary Dysentery | - | nil |
| Whooping Cough | - | nil |
| Measles | - | 95 |
| Infantile Paralysis | - | nil |
| Pneumonia | - | 1 |
| Infective Jaundice | - | nil |

TUBERCULOSIS

NEW CASES

Pulmonary	<u>TOTAL</u>	1
	Males	1
	Females	nil
Non-Pulmonary	<u>TOTAL</u>	nil
	Males	nil
	Females	nil

TUBERCULOSIS DEATHS

Pulmonary	<u>TOTAL</u>	nil
	Males	nil
	Females	nil
Non-Pulmonary	<u>TOTAL</u>	nil
	Males	nil
	Females	nil

TUBERCULOSIS

New Cases and Mortality during 1970 in age groups

DEATHS

Age Periods	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
0								
1								
2								
3								
5								
10								
15								
20								
25								
35								
45								
55								
65	1							1
75								
TOTAL	1							1

CAUSES OF DEATH 1970

	<u>Males</u>	<u>Females</u>
Tuberculosis of Respiratory System.....		
Other Tuberculosis, Incl. Late Effects.....		
Other Tuberculosis.....		
Enteritis and Other Diarrhoeal Diseases.....		
Other Infective and Parasitic Diseases.....		
Malignant Neoplasm, Buccal Cavity etc.....		
" " Oesophagus.....		
" " Stomach.....		1
" " Intestine.....	1	
" " Lung, Bronchus.....	1	
" " Breast.....		2
" " Uterus.....		
" " Prostate.....	3	
Leukaemia.....		
Other Malignant Neoplasm, etc.....	3	2
Diabetes Mellitus.....	1	
Avitaminoses, etc.....		
Other Endocrine etc. Diseases.....		
Anaemias.....	1	
Other Diseases of Nervous System, etc.....		
Mental Disorders.....	1	
Multiple Sclerosis.....		
Chronic Rheumatic Heart Disease.....		2
Hypertensive Disease.....	2	
Ischaemic Heart Disease.....	14	3
Other Forms of Heart Disease.....		1
Cerebrovascular Disease.....		6
Other Diseases of Circulatory System.....	1	1
Influenza.....		2
Pneumonia.....	1	
Bronchitis and Emphysema.....		
Other Disease of Respiratory System.....		3
Peptic Ulcer.....		
Intestinal Obstruction and Hernia.....		
Cirrhosis of Liver.....		
Other Diseases of Digestive System.....		
Nephritis and Nephrosis.....		
Hyperplasia of Prostate.....	1	
Other Diseases, Genito-Urinary System.....		
Diseases of Skin, Subcutaneous Tissue.....		2
Diseases of Musculo-Skeletal System.....		
Congenital Anomalies.....	1	
Birth Injury, Difficult Labour, etc.....		1
Other Causes of Perinatal Mortality.....		
Symtoms and Ill-Defined Conditions.....		
Motor Vehicle Accidents.....		
All Other Accidents.....	1	
Suicide and Self-Inflicted Injuries.....		
All Other External Causes.....	1	

FOOD HYGIENE

Food premises were inspected and advice given where necessary.

No. of Prosecutions - Nil.

PUBLIC HEALTH INSPECTOR'S REPORT
SANITARY CIRCUMSTANCES OF THE AREA
WATER SUPPLY

Aberdyfi, Brynecrug, Tywyn and Cwrt.

The supply of water to these communities was plentiful and satisfactorily maintained. The Merioneth Water Board became the statutory water undertaking for the County on the 1st April, 1965, but the Tywyn Urban District Council continued to operate the town's supply as Agents to the Board until 31st October, 1965.

The Supply is of an excellent bacteriological standard. Close liason is maintained between the Council and the Merioneth Water Board who carry out most of the sampling.

Bacteriological Examination of Water.

21 samples from public and private supplies were submitted for analysis, the results of which were as follows -

SUPPLY	SATISFACTORY		UNSATISFACTORY	
	1969	1970	1969	1970
Aberdyfi	8	8	1	-
Abertrinant	1	1	-	-
Brynecrug	3	6	-	-
Cwrt and Pennal	-	-	-	-
Tywyn	10	12	-	-
Private	2	6	1	1
TOTAL	24	33	2	1

The figures for 1969 are shown for comparison.

DRAINAGE AND SEWERAGE

Aberdyfi

The Aberdyfi Sewage Scheme was completed during the early weeks of 1968, and became operational immediately the machinery was installed. Crude sewage is disposed of by discharging into the Dovey Estuary but it is mascerated during pumping operations. The pumping system is controlled by a lunar clock and the pumping cycle is set to operate on the ebb tide. The scheme has functioned satisfactorily and no complaints respecting beach pollution have been notified. The outlet of the discharge Pipe into the Estuary is to be extended some 10 - 15 ft. and this will be carried out when the tides are suitable.

Tywyn.

The gravitation systems and Pumping Stations functioned satisfactorily. A third pumping unit has been installed at the Morfa Pumping Station. A new pumping station and rising main has been constructed at Faenol Isaf, Tywyn, which will enable a further development of approximately 150 houses.

Bryncrug.

The Sewage Disposal Works have been duplicated. Two additional settling tanks and dosing syphon chambers, a 30 ft. diameter biological filter with mechanical spreaders and a humus tank have been constructed. The works can now treat a community comprising 600 persons. A new Pumping Station has been constructed at Maestegfryn Housing Development.

The sewage pumping stations and disposal works serving this village functioned satisfactorily. Effluent samples taken for analysis by the Gwynedd River Authority proved to be satisfactory.

Cwrt and Pennal Joint Sewerage Scheme.

Work is now in progress with the construction of the Sewage Disposal Works and laying of the Sewer.

PUBLIC CLEANSING

The system of public cleansing operating in the District is collection of refuse by a 20 cubic yard Pakamatic Refuse Collection Vehicle, weekly collections are maintained for the majority of properties in the district. The outlying properties are collected every two weeks. Refuse disposal is carried out by controlled tipping at the two disposal tips situate at Tywyn and Aberdyfi respectively. The tips are maintained in a satisfactory manner.

Public Conveniences.

The several public conveniences in the district were maintained in a satisfactory condition, both structurally and sanitary throughout the year. Some mis-use of the conveniences was experienced through the activities of vandals.

SANITARY INSPECTION OF THE AREA

The number and nature of visits were as follows -

			<u>1970</u>
Abattoir	...	...	178
Accumulations	...	...	10
Bakehouses	...	...	30
Cinemas	...	...	6
Caravan and Camping Sites	...	...	150
Dairies and Milk Supplies	...	...	48
Dirty Condition of Premises	...	...	1
Disinfestation	...	...	2
Drainage and Sewerage	...	...	148
Dwelling Houses	...	...	390
Factories	...	...	40
Food Premises - General	...	...	56
Fouling of Water Courses	...	...	1
Hill Farming Act	...	...	1
Ice Cream Premises	...	...	30
Improvement Grants	...	...	32
Infectious Diseases and			
Disinfection	...	...	1
Keeping of Animals	...	...	1
Licensed Premises	...	...	20
National Assistance Act	...	...	1
Nuisances	...	...	22
Offensive Odours	...	...	1
Petroleum Acts	...	...	46
Public Conveniences	...	...	82
Refuse Collection and			
Disposal	...	...	180
Rodent Control	...	...	20
Schools	...	...	1
Shops Act	...	...	92
Smoke Nuisances	...	...	1
Unsound Food	...	...	22
Water Supplies	...	...	27
Miscellaneous Visits	...	...	202
			<hr/>
Total	...	...	<u>1,842</u>

Complaints received and investigated - 117

The number of notices served and complied with were as shown overleaf -

2. Defects Found

Particulars	Found	Number of Defects		Referred by H.M. Inspector	Prosecutions
		Remedied	Referred by H.M. Inspector		
Want of Cleanliness (S.1)	-	-	-	-	-
TOTAL	-	-	-	-	-

Disinfection

One premises was disinfected during the year, following a case of infectious and other diseases.

Disinfestation

Ten premises were treated for insect infestation including ants, beetles, flies and cockroaches.

Anti-fly measures were again carried out on the 'Aberdyfi and Tywyn Refuse depositories.

Rodent Control.

All rodent work at private dwellings was again carried out free of charge, but the cost incurred in treating agricultural and business premises was recovered from the occupiers.

The work of the Rodent Operative during the year is shown below -

Type of Property	Inspections	Number infested and treated for		Visits for Treatment	Total Visits
		Rats	Mice		
Local Authority Properties	134	24	-	24	182
Dwelling Houses	178	14	2	14	208
Agricultural Properties	74	18	-	16	108
Business Properties	22	12	8	12	54
TOTAL	408	68	10	66	552

In addition the Aberdyfi and Tywyn sewers were twice treated during the year and regular treatments carried out on the Council's two Refuse Depositories.

Caravan Sites and Control of Development Act, 1960

The Council's Caravan Site situated at Ynysmaengwyn was opened at Easter, 1966. The site provided for 30 caravans at the onset but owing to the demand, the site licence was increased to forty five and subsequently to 130. An additional toilet block was constructed at a cost of £3,000. In addition to this planning consent was obtained for the siting of tents and an adjoining building was converted into a toilet and shower block for both sexes. There are 21 established sites in the area of the Urban District with licences for 1,769 caravans.

Hill Farming and Livestock Rearing Acts

No schemes were effected during the year.

Improvement Grants.

Nineteen applications for grant-aid under the provisions of the Housing Act, 1969, for improvement to houses were received and approved during the year. The grants involved amounted in total to £8,382.

Animal Boarding Establishment Act, 1963

During the year one premises were registered under the provisions of the Act and the requisite licence granted.

INSPECTION AND SUPERVISION OF FOOD

Meat and Food Inspection

The table shown overleaf gives the number of carcasses inspected and particulars of carcasses and parts thereof condemned at the local slaughterhouse -

	Cattle	Sheep and Lambs	Pigs	Calves
Number Killed	303	3650	Nil	-
Number inspected	303	3650	Nil	-
<u>All diseases except Tuberculosis</u>				
Whole condemned	-	-	-	-
Part or organ condemned	58	520	-	-
Percentage of number affected	-	-	-	-
<u>Tuberculosis only</u>				
Whole condemned	-	-	-	-
Part or organ condemned	-	-	-	-
Percentage of number affected	-	-	-	-
<u>Cysticercus</u>	No Cases Detected			
Part or organ condemned				
Carcasses submitted for treatment				
Totally condemned				

The total number of carcasses examined during the year was 3953

Weight of Diseased and Unsound Meat and Offal Condemned.

	<u>Tons</u>	<u>Cwts</u>	<u>Qrts</u>	<u>Lbs.</u>
Meat ...	-	-	-	-
Offal ...	-	6	2	1
	-	6	2	1

All this meat and offal was disposed of for processing recovery purposes by the owners of the slaughterhouse.

	CATTLE					SHEEP AND LAMBS		PIGS									
	Head & Tongue	Lungs	Livers	Part Liver	Spleen	Skirt	Shoulders	Legs	Lungs	Livers	Leg	Head & Tongues	Lungs	Livers	Hearts	Kidneys	Stomach and Intestines
Abcess		10	6						28	20							
Actinomycosis	1																
Angioma			18														
Bruising																	
Bacillary Necrosis																	
Congestion		4			6				15								
Cysts		16	28						48	69							
Degeneration																	
Facioliosis		20	28	40						52							
Milk Spot																	
Malformation																	
Parasitic		10	15							35							
Pericarditis																	
Peritonitis																	
Pleurisy		2							14								
Pneumonia																	
Stongyli																	
Tuberculosis																	
Melanosis																	
TOTALS	1	62	95	46					105	176							

I am pleased to report that there were no lessions of Tuberculosis found in any animals slaughtered during this year.

Slaughterhouse Control and Meat Transport

No applications were received for licences in respect of new private slaughterhouses. Adequate facilities to meet the needs of all the local butchers are provided at the existing slaughterhouse owned by the Tywyn Wholesale Meat Co. Ltd.

The general conditions at the slaughterhouse have been well maintained and the standard of hygiene and cleanliness most satisfactory. The work on the provision of additional facilities under the new legislation has been satisfactorily completed. The stunning pen has proved particularly beneficial in ensuring the maximum safety and absence of cruelty.

All meat was inspected prior to leaving the slaughterhouse and was of excellent quality throughout the year. Regular visits to the slaughterhouse are made by the Divisional Veterinary Officer who always reported the slaughterhouse to be in an excellent state of cleanliness.

The transport and handling of all meat has been carried out satisfactorily, every precaution being taken to prevent the soiling and contamination of dressed carcasses and offal.

Other Foods Condemed

The following table gives details of the nature of the foodstuffs found to be unfit for human consumption. They were disposed of by burial.

298 tins or Packets of Various Foodstuffs - Blown and leaking or Decomposed.

MILK SUPPLY

No of Licensed dealers in the District - 14

The Duties concerned with sampling of milk under the Milk Regulations were transferred to the County Council in 1961. Mr. R.F. Edwards, Chief Inspector of Weights and Measures, has reported as follows on samples taken in the District during the year -

MILK (SPECIAL DESIGNATION) REGULATIONS, 1963

Class of Milk	No. of Samples	Appropriate Test	No. of Samples	
			Passed	Failed
Pasteurised	29	Methylene Blue Phosphatase	28	1
			29	-
Sterilised	-	Turbidity	-	-
Untreated	5	Methylene Blue	5	-
Ultra-heat-Treated	-	Colony Count	-	-

BIOLOGICAL MILK SAMPLING (TUBERCULOSIS AND BRUCELLA INFECTION)

Number of Samples tested - 5 (All free from tubercle bacilli and brucella abortus).

Number of licenced dealers in Tywyn District - 10

Ice Cream.

There are 30 premises in the District registered for the sale of ice-cream. All ice-cream in the district is wrapped or pre-packed.

Regular inspections were made of the premises and they were all found to maintain good standard of hygiene.

No samples taken.

Food Hygiene.

There are 117 food premises in the district, comprising of 9 hotels and licensed premises, 37 guest and boarding houses, 12 cafes and restaurants, 24 grocers (including green-grocers) 2 fish frying restaurants, 2 bakehouses, 6 school canteens, 3 butcher shops and 12 confectioners shops. In addition there are the 30 ice-cream premises previously mentioned in the report although some of these are included in the premises listed above.

Offices, Shops and Railway Premises, Act, 1963

Every premises to which this act applies have been duly registered with the Local Authority and the general standard of compliance with the provisions of the Act is good. The total number of registered premises is ninety five.

The standard of hygiene and cleanliness at these premises was generally found to be quite good and I am pleased to report that several improvements were effected during the year. In particular it was found that a number of shops had installed refrigerated food display cabinets. An increasing number of shopkeepers, too, are displaying their goods in transparent wrapped containers which provide good protection against external contamination. This indicated an improved awareness of the need for good hygiene in the food catering industry.

Food and Drugs Act, 1955.

Sampling of food for compositional quality under the above Act is administered by the County Council. Mr. R.T. Edwards, Chief Inspector of Weights and Measures has reported as follows on samples taken in the district during the year.

ARTICLE	No. OBTAINED	NO. CERTIFIED AS ADULTERATED OR NOT UP TO STANDARD	REMARKS
Butter - Peanut	1	-	Deficient in meat Deficient in soluble solids
Cheese - Full fat soft	1	-	
Cream - Fresh	1	-	
Curry - Beef and Vegetable	3	3	
Jam - Red Currant	1	1	
Marzipan	1	-	
Marmalade	1	-	
Milk - Formal	6	-	
Informal	3	-	
Salad Cream	1	-	
Sausages - Pork	1	-	
Sauce	2	-	
Savoury - Chicken & Mushroom	1	-	
Steak - Stewed in Gravy	1	-	
Vinegar - Tarragon	1	-	
TOTAL	25	4	

